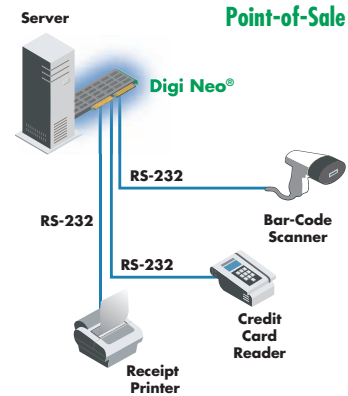




The Digi Neo delivers reliable serial port expansion in standard and low profile Universal PCI or PCI Express, with throughput speeds exceeding 460.8 Kbps. Its extensive cabling and software driver options provide maximum flexibility in installations.



Features/Benefits

- One, two, four or eight RS-232 serial ports
- Universal PCI (3.3V and 5.5V) bus slot support
- PCI Express slot support
- Enhanced monitoring and diagnostic tool for ease-of-use
- Flexible cabling/connector options
- Surge suppression on all signals ensures voltage fluctuations will not degrade data transmissions
- Low latency for reliable performance
- Powered serial port options
- Ideal for tight work spaces and specialized server/PC environments and applications such as retail/POS, industrial automation, factory control, kiosks and data collection
- Windows®, UNIX® and Linux® driver support

Overview

The Digi Neo can easily give your business a competitive advantage by enabling your serial devices. Its low profile size makes it one of the smallest form factor serial card solutions on the market today and one of the fewest to offer a low profile eight-port solution on a single card. The Digi Neo's extensive cabling options (RJ-45, DB-9, DB-25) set a new standard for ease-of-installation and provide the only solution for tight workspaces and specialized server/PC environments.

The Digi Neo leverages an Application Specific Integrated Circuit (ASIC) for reliable performance. It also delivers throughput speeds exceeding 460.8 Kbps, large buffers for data transfer, low latency and baud rate customization. Surge suppression (15 kV) protects the signal for each port to ensure voltage fluctuations will not degrade data transmissions, which keeps the system running smoothly. This robust feature set makes the Digi Neo ideal for point-of-sale, industrial automation, factory control, kiosks and data collection applications.

The Digi Neo provides an enhanced software monitoring and diagnostic tool for Windows operating systems. A similar tool for UNIX and Linux operating systems is also available.

DIREKTRONIK

Direktronik AB tel. 08-52 400 700 www.direktronik.se



Features/Specifications

FEATURES

- 1, 2, 4 or 8 RS-232 serial ports
- DB-9, DB-25 and RJ-45 connectors
- Universal PCI (3.3V and 5V) platform
- PCI Express platform for 4 or 8 RS-232 serial ports
- 32- and 64-bit PCI slot
- Low profile options
- PCI-X/PCI 2.3 compatible
- Surge suppression (15kV) on all signals
- Throughput exceeding 460.8 Kbps
- Powered (5V) serial port options using Ring Indicator signal at 600 mA
- Full modem control
- Hardware or software flow control
- Low latency—same or better than standard COM port
- Custom baud rates
- 16C850 UART equivalent

ENVIRONMENTAL

- Operating temperature: 0° C to 55° C (32° F to 131° F)
- Storage temperature: -25° C to 85° C (-13° F to 185° F)
- Relative Humidity: 5% to 90%
- Altitude: 0 to 12,000 feet (0 to 3660 meters)
- Air movement: 30 CFM forced

OPERATING SYSTEMS

- Windows® Vista
- Windows Server™ 2003
- Windows XP
- Windows 2000
- Windows NT®
- Windows 95/98/Me
- Linux
- SCO® OpenServer

MODEL.....PART NUMBERS

Model	Worldwide
Universal PCI (3.3V & 5V) RS-232	
Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M	77000864
Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	77000847
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	77000848
Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	77000855
Digi Neo Universal PCI (3.3V & 5V) 4-Port w/o Cables	77000857
Digi Neo Universal PCI (3.3V & 5V) 8-Port w/o Cables	77000858
Digi Neo Universal PCI (3.3V & 5V) 4-Port w/DB-25M Fan-Out Cables	70001946
Digi Neo Universal PCI (3.3V & 5V) 8-Port w/DB-25M Fan-Out Cables	70001947
Universal PCI (3.3V & 5V) Low Profile RS-232	
Digi Neo Universal PCI (3.3V & 5V) Low Profile w/2-Port DB-9M Fan-Out Cable	70001965
Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M Low Profile	77000865
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	77000849
Digi Neo Universal PCI (3.3V & 5V) 4-Port Low Profile (board only)	77000835
Digi Neo Universal PCI (3.3V & 5V) 8-Port Low Profile (board only)	77000836
PCI Express Serial Ports RS-232	
Digi Neo PCIe 4-Port w/o Cables	77000890
Digi Neo PCIe 8-Port w/o Cables	77000889
Digi Neo Cable Upgrade Kit	
Digi Neo 2-Port DB-9M Fan-Out Cable	76000713
Digi Neo HD-68 Cabling Accessories	
4-Port DB-25M Straight Fan-Out Cable	76000522
4-Port DB-9M Straight Fan-Out Cable	76000528
4-Port DB-25F Straight Fan-Out Cable	76000532
4-Port DB-9F Straight Fan-Out Cable	76000530
4-Port DB-25M Straight Connector Box w/Cable	76000524
4-Port DB-9M Straight Connector Box w/Cable	76000560
4-Port RJ-45 Straight Connector Box w/Cable	76000526
8-Port DB-25M Straight Fan-Out Cable	76000523
8-Port DB-9M Straight Fan-Out Cable	76000529
8-Port DB-25F Straight Fan-Out Cable	76000533
8-Port DB-9F Straight Fan-Out Cable	76000531
8-Port DB-25M Straight Connector Box w/Cable	76000525
8-Port DB-9M Straight Connector Box w/ Cable	76000561
8-Port RJ-45 Straight Connector Box w/ Cable	76000527
16-Port 2U 19" Rack w/DB-25M Connectors (use w/two 8-Port Digi Neo cards)	76000587
16-Port 1U 19" Rack w/RJ-45 Connectors (use w/two 8-Port Digi Neo cards)	76000588
HD-68M to DB-78F Converter (use with legacy accessories)	76000534

HARDWARE REQUIREMENTS

Power

Digi Neo 4- and 8-port

- +5V +/- 5%, 20 mA typical, 100 mA maximum
- +12V +/- 5%, 100 mA typical, 150 mA maximum

Digi Neo 2-port

- +5V +/- 5%, 50 mA typical, 100 mA maximum
- +12V +/- 5%, 20 mA typical, 50 mA maximum

System

- 32- or 64-bit PCI slot
- PCI Express slot 1x-16x
- IRQ is assigned

REGULATORY APPROVALS

- FCC Part 15, Class B
- EN55022, Class B
- VCCI Class B
- ICES-003, Class B
- AS3548
- EN55024
- EN60950
- UL 1950
- AS3260
- CSA 22.2, No. 950

DIMENSIONS

- Length: 4.72 in (11.99 cm)
- Width: 0.73 in (1.84 cm)
- Weight: 2.00 oz (57.00 grams)

4- or 8-port

- Height: 2.45 in (6.22 cm)

2-port DB-9

- Height: 3.38 in (8.60 cm)

2-port RJ-45

- Height: 2.05 in (5.20 cm)

4-port RJ-45

- Height: 4.00 in (10.16 cm)

1-port DB-25

- Height: 2.38 in (6.03 cm)

4- or 8-port PCI Express

- Length: 4.86 in (12.34 cm)
- Width: 0.325 in (0.826 cm)
- Height: 2.45 in (6.22 cm)
- Weight: 1.41 oz (40.00 g)

WHEN
RELIABILITY
MATTERS™

DIREKTRONIK

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